

Scheme of Studies

Semester/ Course code	Name of Subject	Course Name	Cr. Hrs.
First Semester			
NS-311	Biology	General Education (Natural Science)	3(3,0)
FE-312	Functional English	General Education (Functional English)	3(3,0)
QR-313	Quantitative Reasoning 1	General Education (Quantitative Reasoning)	3(3,0)
MIC-311	Fundamentals of Microbiology	Major	3(2,1)
MIC-312	Microbial Ecology	Major	3(2,1)
Credit Hours/Marks			15
Semester/ Course code	Name of Subject	Course Name	Cr. Hrs.
Second Semester			
ICP-321	Ideology and Constitution of Pakistan	General Education	2(2,0)
AH-322	Introduction to Philosophy	General Education (Arts & Humanities)	2(2,0)
ISL-323	Islamic Studies	General Education (Islamic Studies)	2(2,0)
MIC-321	Microbial Anatomy and Physiology	Major	3(2,1)
MIC-322	Microbial Genetics	Major	3(2,1)
MIC-323	Environmental Microbiology and Public Health	Major	3(2,1)
Credit Hours/Marks			15
Semester/ Course code	Name of Subject	Course Name	Cr. Hrs.
Third Semester			
SS-431	Introduction to Psychology	General Education (Social Science)	2(2,0)
EN-432	Entrepreneurship	General Education	2(2,0)
EW-433	Expository Writing	General Education (Expository Writing)	3(3,0)
CCE-434	Civic and Community Engagement	General Education	2(2,0)
MIC-431	Biosafety and Risk Management	Major	3(2,1)
MIC-432	Cell and Tissue Culture	Major	3(2,1)
Credit Hours/Marks			15
Semester/ Course code	Name of Subject	Course Name	Cr. Hrs.
Fourth Semester			
QR-442	Quantitative Reasoning 2	General Education (Qualitative Reasoning)	3(3,0)
ICT-442	Application of Communication and Information Technologies	General Education (ICT)	3(3,0)
MIC-441	General Virology	Major	3(2,1)
MIC-442	Mycology	Major	3(3,0)
MIC-443	Soil Microbiology	Major	3(2,1)
Credit Hours/Marks			15